IEEE802.1Qay Project Status

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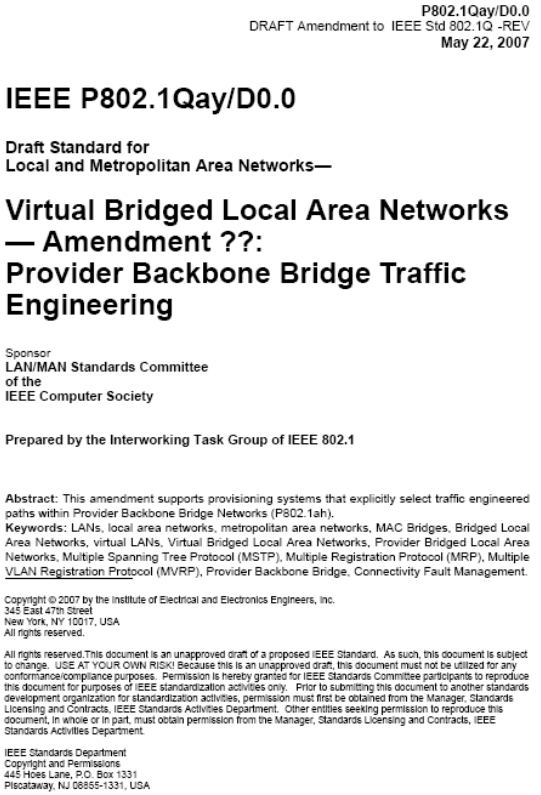
TAKING YOU FORWARD

P802.1Qay/D0.0

- Project's goal statement
- Updates in subclause 8
- Informative annex giving an overview of PBB-TE
- Placeholders for future material



P802.1Qay/D0.0
DRAFT Amendment to IEEE Std 802.1Q -REV
May 22, 2007

IEEE P802.1Qay/D0.0

Draft Standard for
Local and Metropolitan Area Networks—

Virtual Bridged Local Area Networks — Amendment ??: Provider Backbone Bridge Traffic Engineering

Sponsor
LAN/MAN Standards Committee
of the
IEEE Computer Society

Prepared by the Interworking Task Group of IEEE 802.1

Abstract: This amendment supports provisioning systems that explicitly select traffic engineered paths within Provider Backbone Bridge Networks (P802.1ah).
Keywords: LANs, local area networks, metropolitan area networks, MAC Bridges, Bridged Local Area Networks, virtual LANs, Virtual Bridged Local Area Networks, Provider Bridged Local Area Networks, Multiple Spanning Tree Protocol (MSTP), Multiple Registration Protocol (MRP), Multiple VLAN Registration Protocol (MVRP), Provider Backbone Bridge, Connectivity Fault Management.

Missing items – CFM Extensions

- CFM architecture and mechanism provides sound base for extensions
- CFM extensions for PBB-TE are needed
  - Maintenance Associations for PBB-TE services
  - MIPs require extensions to LBM/LBR
  - LTM/LTR need to be extended
- Some CFM PBB-TE requirements are already in place
  - Unicast CCMs (currently considered in PBB)
  - Asymmetric VIDs (generic CFM architecture)

Missing Items – Protection Switching

- G.8031 describes linear protection switching mechanisms for point-to-point VLAN-based services in Ethernet transport networks and the APS protocol
- Should the Protection Switching mechanisms in PBB-TE be based on the ITU-T Protection architecture?
- Should the APS signaling be based on the APS PDU?
  - Is the CCM based APS signaling enough?
- What about Point-to-Multipoint ESPs?

Next steps

- Next editorial draft to be prepared before the November meeting.
- New draft after the November meeting (ask for authorization to start a Task Group Ballot)
- Aim is to enter a Sponsor Ballot in the 2nd quarter of 2009.